



Minimum Evaporating Temp. With:

- 20 K Suction Superheat — 20 °C Suction Gas Return
- 10 K Suction Superheat OEM envelope
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		1.36	1.66	2.00	2.39	2.81	3.28	3.79	4.00	4.34
32.0		1.27	1.54	1.86	2.22	2.62	3.05	3.52	3.72	4.03
38.0		1.16	1.41	1.70	2.02	2.37	2.76	3.19	3.36	3.64
43.0			1.29	1.55	1.84	2.16	2.51	2.90	3.06	3.31
46.0				1.46	1.73	2.03	2.36	2.72	2.87	
49.0					1.62	1.90				

Ambient °C	Total Power Input, kW									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		0.90	0.95	1.01	1.05	1.09	1.13	1.16	1.18	1.20
32.0		0.97	1.03	1.08	1.14	1.18	1.22	1.26	1.28	1.30
38.0		1.07	1.14	1.20	1.25	1.30	1.34	1.39	1.40	1.43
43.0			1.24	1.30	1.36	1.40	1.46	1.50	1.52	1.54
46.0				1.36	1.42	1.48	1.53	1.58	1.60	
49.0					1.50	1.55				

Ambient °C	Current at 230 V, A									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		3.56	3.80	4.01	4.21	4.40	4.57	4.73	4.79	4.87
32.0		3.88	4.14	4.38	4.59	4.80	4.98	5.15	5.22	5.31
38.0		4.32	4.60	4.86	5.10	5.32	5.52	5.71	5.78	5.88
43.0			5.04	5.31	5.56	5.79	6.01	6.20	6.27	6.38
46.0				5.60	5.86	6.10	6.31	6.51	6.58	
49.0					6.17	6.41				

Ambient °C	Mass Flow, g/s									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		9.52	11.85	14.65	17.90	21.80	26.30	31.50	33.90	37.80
32.0		9.43	11.75	14.50	17.75	21.60	26.00	31.30	33.70	37.60
38.0		9.30	11.60	14.30	17.50	21.30	25.70	31.00	33.40	37.30
43.0			11.45	14.10	17.25	21.00	25.40	30.70	33.20	37.20
46.0				14.00	17.10	20.80	25.30	30.60	33.10	
49.0					16.95	20.70				

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX013E/YDK50-6
Number of Fans	1
Total Fan Power Input, W	106
Depth/Width, mm	846/322
Height, mm	605
Base mounting (hole dia), mm	564 x 323 (12)
Net Weight, kg	56
Receiver Capacity, l	1.8
Liquid Line, inch	3/8
Air Flow, m ³ /s	0.66
High Side PS gauge, bar	31
Low Side PS gauge, bar	21.6
Suction Type	Cu Tube
Suction Diameter, inch	1/2
Sound Pressure @ 10m (MT), dBA	37
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10.0/45.0/20.0 °C at 50 Hz

CONDENSING UNIT ELECTRICAL DATA (220-240 V / 1~ / 50 Hz)

Compressor Maximum Operating Current, A	7.2
Compressor Locked Rotor Current, A	45

ACCESSORIES INCLUDED

Crankcase Heater	40 W External
Discharge Temperature Protection	Discharge Line Thermostat
Liquid sight glass	ALCO MIA 012
Compressor contactor	12 A
Control circuit fuse	12 A 10x38
Fan speed control	ALCO FSY42S
HP Switch	PS4-W1 21X28
Filter Drier	ALCO ADK Plus
LP Adjustable Pressure Switch	Alco PS1-W3A

ACCESSORIES OPTIONAL

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00

